

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2011	jack.in. and wave	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:20
L2	309	L1 and buffer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:20
L3	2	L2 and superconduct\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:20
L4	1920	250/338.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:36
L5	499	250/338.4.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:36
L6	728	250/370.01.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:36
L7	999	250/336.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:36
L8	103	250/336.2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:36
L9	79	338/14.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:36
L10	192	338/18.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:36
L11	10	505/161.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:36

## EAST Search History

L12	34725	Jack.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:37
L13	36483	Gordon.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:37
L14	1920	250/338.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:38
L15	32	L14 and (substrate and antenna and thermal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:38
L16	36483	Gordon.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:38
L17	1	L15 and L16	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:38
L18	34725	Jack.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:38
L19	3	L15 and L18	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:38
L20	116	substrate and antenna and buffer and support and superconduct\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 12:04
L21	2987	millimeter and wave and sensor and semiconductor and temperature	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:38
L22	7	"250".\$ccls. and perovskite and (lead or metal) and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:38
L23	4554	(bolometer or microbolometer or (thermal adj detector))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:39

## EAST Search History

L24	98	L23 and antenna and substrate and lead	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:39
L25	11	L24 and (fill\$5 same cavity)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:39
L26	6	L25 and ((remove\$4 same fill\$4) same cavity)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:39
L27	30	(US-20050067576-\$ or US-20030222217-\$).did. or (US-5171733-\$ or US-5450053-\$ or US-5688699-\$ or US-5808350-\$ or US-5850098-\$ or US-6329649-\$ or US-6329655-\$ or US-6441368-\$ or US-6459084-\$ or US-6292140-\$ or US-6316770-\$ or US-6777684-\$).did. or (US-5399897-\$ or US-5688699-\$ or US-5808350-\$ or US-6329649-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/08/28 11:39
L28	2894	(bolometer or microbolometer or (thermal adj detctor))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:39
L29	866	"250".\$.ccls. and L28	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:39
L30	90	L29 and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:39
L31	16	L30 and lead and (electric\$4 same contact)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:39
L32	14	L31 and lead and (electric\$4 same contact) and substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:40
L33	5717	(substrate or wafer) and antenna and buffer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:40
L34	2	L33 and L4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:40

## EAST Search History

L35	1	L33 and L5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:41
L36	1	L33 and L6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:41
L37	1	L33 and L7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:41
L38	3	L33 and L8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:41
L41	2	L33 and L11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:42
L42	13	("5047783"   "5227800"   "5455589").PN. OR ("5760397"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:41
L43	27	("3742235"   "4600840").PN. OR ("5171733").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:41
L44	252458	buffer and conduct\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:42
L45	80197	superconduct\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:42
L46	2323	L44 and L45	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:42
L47	6	L46 and L4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:43
L48	4	L46 and L5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:43

## EAST Search History

L50	1	L46 and L7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:42
L51	6	L46 and L8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:42
L54	3	L46 and L11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:43
L55	14	("3073974"   "3243687"   "4250384"   "4472239"   "4869598"   "4978853"   "4983839"   "5090819"   "5450053"   "5880468").PN. OR ("6576904").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:43
L56	5	("5043580"   "5171733").PN. OR ("RE35872").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:43
L57	856	L44 and magnitud\$4 and L45	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:44
L58	205	L57 and cavity	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:44
L59	3	L58 and L4	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:54
L67	14	("3073974"   "3243687"   "4250384"   "4472239"   "4869598"   "4978853"   "4983839"   "5090819"   "5450053"   "5880468").PN. OR ("6576904").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:55
L68	10624	perovskit\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:55
L69	1685	L45 and L68	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:56
L70	1621	L69 and superconduct\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:56
L71	57	L70 and (antenna and (substrate or wafer) and fill\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 12:03

## EAST Search History

L72	56	L71 and deposit\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:58
L73	1	L72 and L4	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 12:02
L81	1	L72 and "250".\$ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:58
L82	1	L72 and "338".\$ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:58
L84	3	L72 and "505".\$ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:59
L85	71	("4837536"   "5070241"   "5105200"   "5208213"   "5212463"   "5307033"   "5409889").PN. OR ("5589845"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:59

## EAST Search History

L86	176	("20010035801"   "20020036586"   "20030122721"   "20030193446"   "20030222738"   "20030227351"   "20040113713"   "20040135649"   "20040227583"   "20040227667"   "20040227668"   "20040227678"   "20040263408"   "3267480"   "3560978"   "3810183"   "3961333"   "4045800"   "4051477"   "4119972"   "4123759"   "4124852"   "4127586"   "4150382"   "4173759"   "4189733"   "4217587"   "4220954"   "4236158"   "4242685"   "4266203"   "4308541"   "4367475"   "4370659"   "4387377"   "4395713"   "4443802"   "4590478"   "4594595"   "4672386"   "4684953"   "4700197"   "4737795"   "4749966"   "4760402"   "4782346"   "4803494"   "4821040"   "4835541"   "4843400"   "4843403"   "4853704"   "4903033"   "4905014"   "4916457"   "4922263"   "4958165"   "5021795"   "5023623"   "5070340"   "5081466"   "5115217"   "5146235"   "5158611"   "5208603"   "5235343"   "5268696"   "5268701"   "5287116"   "5287118"   "5402134"   "5406292"   "5519408"   "5525954"   "5531018"   "5532709"   "5534877"   "5541614"   "5557291"   "5581266"   "5589845"   "5611940"   "5619365"   "5619366"   "5621571"   "5638946"   "5644319"   "5694134"   "5721194"   "5767807"   "5808527"   "5815818"   "5874915"   "5892485"   "5894288"   "5905465"   "5923303"   "5926139"   "5929819"   "5943016"   "5945951"   "5949382"   "5966096"   "5966101"   "6005519"   "6005521"   "6008770"   "6016125"   "6028561"   "6028692"	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:59
8/28/06	12:05:50 PM	"6034644"   "6034655" "6037905"   "6040803" "6041666"   "6041669"	EAST\Workspaces\10727187\10727187.wsp		Page 7	

## EAST Search History

L87	1	((substrate or wafer) and cavity and antenna and buffer and superconduct\$4).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 12:00
L88	1	((substrate or wafer) and cavity and antenna and buffer and superconduct\$4 and magnitud\$4).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 12:00
L89	1	((substrate or wafer) and cavity and antenna and buffer and superconduct\$4 and (thermal adj conduct\$6)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 12:00
L90	1	((substrate or wafer) and cavity and antenna and (fill\$4 or deposit\$5) and buffer and superconduct\$4 and (thermal adj conduct\$6)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 12:01
L91	27	("3742235"   "4600840").PN. OR ("5171733").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 12:01
L92	20	(US-20030222217-\$ or US-20050067576-\$).did. or (US-6441368-\$ or US-6563118-\$ or US-6292140-\$ or US-5688699-\$ or US-6958478-\$ or US-5450053-\$ or US-5808350-\$ or US-6316770-\$ or US-6329655-\$ or US-6459084-\$ or US-5850098-\$ or US-6329649-\$ or US-6777684-\$ or US-5171733-\$).did. or (US-5808350-\$ or US-6329649-\$ or US-5688699-\$ or US-5399897-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/08/28 12:01
L94	0	L71 and L92	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 12:04
L95	14	L28 and L92	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 12:04
L96	3	substrate and antenna and buffer and support and superconduct\$4 and L95	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 12:04
L97	3	antenna and buffer and L95	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 12:04

## EAST Search History

L98	33	("3881181"   "4544441"   "4745278"   "4754139"   "4902895"   "4940693"   "4970395"   "5021663"   "5090819"   "5171733"   "5173474"   "5231077"   "5260225"   "5264375"   "5270298"   "5286976"   "5288649"   "5304539"   "5354989"   "5367167"   "5369280"   "5519235"   "5527567").PN. OR ("5850098").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 12:04
S8	1853	250/338.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:36
S10	33460	Jack.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:37
S11	35074	Gordon.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:37
S12	3	S9 and S10	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:38
S13	1	S9 and S11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:37
S16	95	substrate and antenna and buffer and support and superconduct\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:38
S33	24	("3742235"   "4600840").PN. OR ("5171733").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 12:01
S39	2515	millimeter and wave and sensor and semiconductor and temperature	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:38
S93	14	S92 and lead and (electric\$4 same contact) and substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:39

## EAST Search History

S10 8	18	(US-20050067576-\$ or US-20030222217-\$).did. or (US-5171733-\$ or US-5450053-\$ or US-5688699-\$ or US-5808350-\$ or US-5850098-\$ or US-6329649-\$ or US-6329655-\$ or US-6441368-\$ or US-6459084-\$ or US-6292140-\$ or US-6316770-\$ or US-6777684-\$).did. or (US-5399897-\$ or US-5688699-\$ or US-5808350-\$ or US-6329649-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/08/28 11:39
S21 1	7	"250".\$.ccls. and perovskite and (lead or metal) and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 11:38
S21 2	10	S207 and (fill\$5 same cavity)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:39
S21 5	5	S212 and ((remove\$4 same fill\$4) same cavity)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:39